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| <b>(21) International Application Number:</b> PCT/US92/08667<br><b>(22) International Filing Date:</b> 9 October 1992 (09.10.92)<br><br><b>(30) Priority data:</b><br>777,752 11 October 1991 (11.10.91) US<br><br><b>(71) Applicant:</b> VERTEX PHARMACEUTICALS, INC. [US/<br>US]; 40 Allston Street, Cambridge, MA 02139-4211<br>(US).<br><br><b>(72) Inventors:</b> PEATTIE, Debra, A. ; 1716 Cambridge Street,<br>No. 47, Cambridge, MA 02138 (US). HARDING, Mat-<br>thew, W. ; 171 Willow Street, Acton, MA 01720 (US). LI-<br>VINGSTON, David, J. ; 20 Madison Avenue, Newton-<br>ville, MA 02160 (US). |           | <b>(74) Agents:</b> GRANAHAH, Patricia et al.; Hamilton, Brook,<br>Smith & Reynolds, Two Militia Drive, Lexington, MA<br>02173 (US).<br><br><b>(81) Designated States:</b> AT, AU, BB, BG, BR, CA, CH, CS,<br>DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG,<br>MN, MW, NL, NO, PL, RO, RU, SD, SE, European pa-<br>tent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT,<br>LU, MC, NL, SE), OAPI patent (BF, BJ, CF, CG, CI,<br>CM, GA, GN, ML, MR, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i><br><i>Before the expiration of the time limit for amending the</i><br><i>claims and to be republished in the event of the receipt of</i><br><i>amendments.</i> |
| <b>(54) Title:</b> ISOLATION OF AN M <sub>r</sub> 52,000 FK506 BINDING PROTEIN AND MOLECULAR CLONING OF A<br>CORRESPONDING HUMAN cDNA<br><br><b>(57) Abstract</b><br><br>An FK506 binding protein of mammalian origin of approximate size (M <sub>r</sub> ) 52,000, isolated by FK506 affinity chromatog-<br>raphy and a corresponding human cDNA of approximate size 2.2 Kb, isolated by screening a human placenta cDNA lib-<br>rary with a DNA probe whose sequence predicts a consensus amino acid sequence present in five FKBP12 sequences and in<br>the human FKBP13 sequence.                         |           |  |